PDR RID Report

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Document FOS Req. Spec. for ECS Proj. Vol.1: General Requirements

RID ID PDR 55
Review FOS
Originator Ref IVV-GSS-09
Priority 2

Section 7.2.3   **Page** 7-20   **Figure Table** NA

Category Name Design   **Actionee** HAIS

Sub Category

Subject Limit Management Requirements

Description of Problem or Suggestion:

The FOS PDR presentation and documentation indicated that limits would be monitored and modified at the EOC and that users could also define temporary limits at the ISTs. What was not clear and maybe not present in the requirements is how personnel at the ISTs provide limits to the EOC, i.e. limit blocks to implement via triggers, etc., and any validation of these after transfer. Also, it was not clear if users can copy limits from one spacecraft to another, i.e., if a user wants to copy from one AM spacecraft to another without having to enter all limits manually.

Originator's Recommendation

Expand on limit management functions available to the users at the EOC and ISTs.

GSFC Response by: **GSFC Response Date**

HAIS Response by: D. Herring   **HAIS Schedule** 1/13/95

HAIS R. E. J. Kuntz   **HAIS Response Date** 1/18/95

Limit definitions are provided to the EOC through the Project Data Base (PDB). The definition and validation criteria is specified in the Data Format Control Document (DFCD) for the EOS AM-1 PDB. Operational information is also available in Section 8.2.3.6 of the FOS Design Document. The PDB is provided to the EOC from Martin Marietta Corporation (MMC). Updates to the limit defintions are made through an edit capability at the EOC. The IST may provide modifications to these definitions through an authorized user of the EOC data base. The specific details for the IST to EOC data base update interface will be specified in the ECS Operations Plan.

In response to copying limit definition files from another spacecraft, there is nothing to prevent a user from using a copied file, however, any mission specific information would prevent the file from passing the validation process for another spacecraft.

Status **Closed**   **Date Closed** **2/1/95**   **Sponsor** **Johns**

****** **Attachment if any** ******